

NVC Utilities Committee
Trustee Meeting
Community Hall and by Zoom link
Friday, August 11, 2023, 1:00 p.m.

Trustees Present: Casey Brown, Jeffrey Wilt, Judy Metcalf, David Crofoot,
Brady Brim-Deforest

Staff: Chuck Applebee, Trish Parker

The August meeting of the NVC Utilities Trustees convened at 1:00. Utilities chair, Jeffrey Wilt called the meeting to order.

Community Member Comments:

Rachel Rosa requests a review of the sewer rate schedule. She believes most local systems do not bill flat rate but utilize a rate based on water usage.

Approval of minutes: Judy Metcalf moved (seconded Casey Brown) approval of minutes of, July 7, 2023 minutes. The motion was unanimously adopted.

Superintendent Report: Chuck reported:

- Chuck distributed written report (attached)
- This summer we have seen repeated high rain events, resulting in higher flow (we remain well within levels required by our license).
- % particulate removal is lower during high rain events.
- One exceedance was reported in July-- entero CFU

- Capacity Discussion: License capacity 255. Current 248
Cap where we are now or issue permits to legal limit.
Review existing Utilities Ordinance in September

- Working to secure grants. Application with bond bank. Will need bond counsel--Dan Pitman (Eaton Peabody) – Call into Dan

Financial Update:

Cost of annual report should not be born by the Utilities. (author's note: This was a coding error corrected later in August).

The financial reports, while helpful, remain confusing.

Other:

- Utilities Doughnuts & Dialogue – August 12, 2023, 8:00 a.m. – topics to include:
 - Introduce Chuck
 - Written statement on our system, how it works, costs
 - Moratorium
 - We do this to keep the bay clean!

- Discussion of equitable billing protocol:
 - Municipalities establish wastewater billing protocols-it is up to individual communities. Unlike water billing process which is mandated by PUC
 - Flat fee billing is based on ease of administration. No meter reading component
 - Many systems utilize a billing protocol which includes a “base rate” (fixed cost) shared equally by all customers plus a customer specific share of variable costs (water, etc.)
 - Fixed costs generally account for 75-90% of sewer system cost. As we prepare the 2024 budget, we will analyze out fixed cost rate.
 - Flat fee is based on ease of administration. No meter reading component.
 - Usage component could cost more to administer—staff time, software, etc.
 - Year-round residents do not place more cost on system. The requirement to test all year v. 5 months was mandated by DEP, it is not related to year-round residents.
 - Infrastructure is year-round. All members of the community benefit from its existence.

The next meeting of the Trustees is **September 8, 1:00 p.m.**, Community Hall and on-line (<https://us02web.zoom.us/j/82961508196?pwd=ekpzTlIzcmI3cnJEZmlHRmlwR3ZSZz09>)

The meeting adjourned at 2:15 p.m.

Respectfully submitted,
Jeffrey Wilt, Chairman

Aug. 11, 2023

Utility Department Monthly Operating Report Sewer Department

July 2023 Effluent Monitoring Data

During the July operating period there was one exceedances for entero of >2420. See performance table below for further details of the regulatory monitoring data. For May, June and July. There was one exceedances to report.

See updated Flow, TSS and BOD Trend Charts at the end of this report.

WWTP Monthly Performance Table

Parameters	July	June	May	YTD Low	YTD Hi	YTD Ave	2022 Ave	DEP Limit	YTD Exceed-ances
Flow GPD	27178	18085	17246	13383	27950	19963	20228	<63,000	0
Precip inches							n/a	n/a	0
TSS lbs/min	2	1	0.5	0.59	2.13	1.22	2.6	<76	0
TSS lbs max	5	3	1.47	2.6	5	2.53	5.1	report	0
TSS mg/l ave	4	2	0.98	7.4	15	11	26.1	<145	0
TSS mg/l max	16	16	13	8.9	16	13	37.5	report	0
TSS % removal	94.8	95.9	96.8	84.8	97	96.3	89.7	>50	0
BOD lbs/min	27	8	6.5	5.4	33.84	21	15.2	<107	0
BOD lbs max	92	52	34.1	8.2	92	45.8	26.9	report	0
BOD mg/l ave	203	175	19.51	62.3	203	172	140.1	<203	0
BOD mg/l max	260	250	154	56	380	261	161.6	report	0
BOD % removal	30	42.6	48.1	40.07	49	41.2	51.6	>30	0
pH low	6.7	6.7	6.7	6.4	6.7	6.7	6.5	>6.0	0
pH high	6.9	6.9	6.9	6.7	6.9	6.9	6.7	<9.0	0
St solids ml/l	0.1	0.1	0.1	0.1	0.2	0.1	0.15	report	0
TRC mg/l max	.05	.07	.07	0.02	0.8	0.7	.03	<0.3	0
Fecal cfu ave	<4	<4	<4	<4	4	4	9.58	<14	0
Fecal cfu max	<4	<4	<4	<4	<4	<4	19.37	<31	0
Enterococci cfu ave	14	<4	<4	<4	14	5.42	10.8	<8	0
Enterococci cfu max	>2420	<4	<4	<4	<2420	349	26.9	<54	0
Hg ng/l ave	n/a	n/a	n/a	na	n/a	n/a	18.28	33.4	0
Hg ng/l max	n/a	n/a	n/a	na	n/a	n/a	7.0	50.1	0